

VIII. *Descriptions of New Species of Lepidoptera-Heterocera from South-East Brazil.* By E. DUKINFIELD JONES, F.E.S., F.Z.S.

[Read February 7th, 1912.]

Fam. SYNTOMIDAE.

*Psilopleura sanguinea*, n. sp.

Palpi and antennae fuscous; head brown; tegulae brown edged with silvery white; thorax brown with some crimson and scattered white scales anteriorly; patagia with broad edge of crimson inwardly and in front; a crimson spot edged with white on shoulder and on breast; coxae inwardly crimson; legs brown; abdomen crimson, first segment brown with lateral crimson and white spot; a dorsal brown stripe, lighter in centre; subdorsal patches of silvery white scattered scales on segments 4-6. Forewings yellowish, slightly hyaline, suffused with black; base black, followed by yellow subcostal streak; a large yellow spot at end of cell, extending from costa to origin of veins 2 and 3, shaded with black inwardly and outwardly. Hindwings from costa to median fold black, from median fold to tornus hyaline, termen black.

Expanse ♂ 20 mm., ♀ 22 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Rhynohopyga castra*, n. sp.

♂. Palpi brown, white hairs at base; frons brown with white scattered scales; antennae brown with white scales at base; central and lateral white points at back of head; tegulae brown edged with white; thorax brown with scattered white scales, some crimson and white underneath; patagia crimson in front; abdomen brown above, crimson and white beneath; large lateral crimson patches irrorated with white on segments 2 and 3; a series of lateral white spots on remaining segments; coxae and femora streaked with white. Forewings semihyaline, the inner and postmedial areas heavily suffused with black-brown; a yellow spot from costa to median fold beyond the cell. Hindwings semihyaline, costally and terminally broadly suffused with black.

♀. The coxae less white and the femora none at all; abdomen brown underneath from segment 4 to anus; wings more heavily suffused with black.

Expanse ♂ 20 mm., ♀ 20 mm.

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*Hab.* CASTRO, Paraná, Brazil.

Closely allied to *R. meisteri*, Burm., but readily distinguished from it by the very narrow base of the wings and the absence of basal yellow spot.

Fam. ARCTIADAE.

*Amazia collaris*, n. sp.

♀. Palpi crimson-pink; frons white, surrounded by fawn and red scales; vertex light brown; antennae darker brown, terminal third greyish white; cheeks and pectus crimson-pink; fore femora brown, striped with crimson-pink; tegulae white, anteriorly edged with crimson-pink; thorax light brown shaded with pink; a white spot at base of patagia; underneath ochreous white; abdomen crimson-pink, ochreous beneath. Forewings greyish brown, irrorated with crimson on outer half; a basal white spot on costa, followed by crimson; a geminate, broken, crimson antemedial line, widening out at costa, the space between the lines pale yellow forming two small spots between cell and vein 1 and a large truncate triangular spot at costa; two small medial spots between cell and vein 1; a postmedial line from inner margin to just above vein 2, enclosing yellow spots; the ante- and post-medial lines joined on inner margin by yellow; a subterminal very irregular crimson-pink line from just below vein 2 to apex, the space beyond to termen pale yellow; terminal row of spots between the veins; termen pale yellow; a large yellow patch on medial third of costa extending nearly to vein 2; a minute dark grey spot at end of cell and two beyond cell; a few crimson scales on subcostal at end of cell; two confluent yellow subapical spots; all the veins on the brown portion of the wing and a streak at base of cell crimson-pink. Hindwings rose-pink; costa ochreous; termen irregularly brown.

Expanse 37 mm.

*Hab.* ALTO DA SERRA, Santos, S.E. Brazil.

*Castronia*, gen. nov.

Proboscis fully developed; palpi upturned, not reaching vertex of head; antennae bipectinate with branches long, slightly dilated at extremities and ending in a bristle; tibiae with spurs short. Forewings: vein 3 close to angle of cell; veins 4 and 5 from angle, separate at base; 6 and 7 from upper angle; 10 and 11 from cell. Hindwings: vein 3 from close to angle; 4 from angle; 5 from well above angle; 6 and 7 from upper angle; 8 from middle of cell.

Type of genus, *C. collaris*.

*Castronia collaris*, n. sp.

♂. Brownish black ; antennae, abdomen, and a streak on patagia black ; back of head, tegulae and anal tuft golden brown. Forewings semihyaline, the veins dark. Hindwings semihyaline suffused with black, the margins lighter.

Expanse, 26-30 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Opharus paulina*, n. sp.

♀. Brownish black. Palpi with two orange spots ; head with orange points before and behind antennae ; coxae orange and black ; orange points on shoulders and patagia ; tegulae suffused with orange ; thorax with posterior tufts of orange hairs ; abdomen orange, dorsally black, narrowing down to a thin line on last segment, segments 1-5 rough ; laterally black with series of sublateral orange spots ; underneath brown. Forewings black brown ; a diffused basal black line containing orange point at costa, a diffused ante-medial line strongly excurved and containing orange points in cell, on submedian fold and just above vein 1 ; medial area darker than the rest of the wing ; an indistinct subterminal line of diffused black spots. Hindwings black brown, the basal half in and below cell, and a spot beyond cell semihyaline.

Expanse 54 mm.

*Hab.* SÃO PAULO, S.E. Brazil.

*Antarctia uniformis*, n. sp.

♀. Body and wings light brown ; antennae shaft white ; abdomen dorsally brown, laterally yellow, anal segment white. Forewings uniform light brown, the scales brown and the hairs light greyish brown ; a dark discocellular spot ; cilia brown. Hindwings very thinly scaled at base and medially, the margins more heavily clothed ; veins darker ; cilia ochreous.

Expanse 45 mm.

*Hab.* CASTRO, Paraná, Brazil.

Differs from *A. paula*, Schaus, in the lateral yellow stripe and white termination of abdomen.

Fam. NOCTUIDAE.

Sub-fam. HADENINAE.

*Chabuata nephroleuca*, n. sp.

♂. Head, palpi, antennae and abdomen light reddish brown ; tegulae and thorax dark purplish brown. Forewings brown, suffused

with darker purplish brown in and below cell ; basal line indistinct, geminate ; antemedial indistinct, wavy, geminate, clearly marked at costa ; postmedial similar, the outer member represented by black points on the veins ; a pale subterminal line from vein 2-7, preceded by three wedge-shaped black spots between veins 4-7 ; termen finely dark, cilia light ; orbicular light brown enclosed in black ; reniform almost obliterated by large, grey, oblique discocellular spot, preceded and followed by dark shade ; a light, triangular apical spot. Hindwings uniform brown. Underneath : forewings ochreous brown ; postmedial line darker. Hindwings ochreous, irrorated with brown ; postmedial line darker ; an indistinct discocellular spot.

♀ darker.

Expanse ♂ 33 mm., ♀ 35 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Eriopyga velutina*, n. sp.

♂. Head, palpi and thorax purplish brown, the scales tipped with grey ; pectus and legs red brown ; tarsi ringed with ochreous ; abdomen ochreous suffused with brown, except at base ; lateral and anal tufts rufous ; underside red brown. Forewings glossy purplish brown, suffused with greyish gloss ; an indistinct subbasal line from costa to vein 1 ; some ochreous hairs at base on inner margin ; antemedial line oblique, wavy, dark brown, excurved below costa, incurved in cell, strongly angled outwards below vein 1 ; outer half of medial area dark brown ; postmedial geminate, dark brown, filled in with greyish, the inner member fine, diffused, the outer broader, diffused, followed by dark shade to near subterminal line which is dark brown, wavy, almost broken into spots between the veins ; terminal line fine, crenulate ; cilia greyish with outer fine brown line. Hindwings ochreous ; veins and outer area heavily suffused with brown ; cilia ochreous. Underside ochreous ; forewings centrally suffused with brown, costa, apex and termen suffused with pinkish brown ; hindwings, costa and apex suffused with pinkish brown irrorated with fuscous.

Expanse, 38 mm.

*Hab.* CASTRO, Paraná, Brazil.

Closely allied to *E. mediorufa*, Schaus, but readily distinguished from it by the difference in the antemedial line.



Sub-fam. ACRONYCTINAE.

*Trachea viridirena*, n. sp.

♂. Palpi light brown, a fuscous shade at side of second joint; legs reddish brown; frons yellowish brown; vertex of head, tegulae and thorax light brown mixed with dark brown and grey; patagia light purplish brown with a black streak followed by purplish brown fringe on inner side; abdomen brown. Forewings purplish brown; a pale green streak at base of cell; a black streak above inner margin from near base to antemedial line; antemedial line geminate, straight from costa to median nervure, excurved to vein 1, where it is sharply angled inwards, then excurved to inner margin, the inner member diffused brown, the outer black; postmedial line very wavy, excurved from costa to vein 5, where it is slightly angled outwards, then slightly incurved to vein 3, excurved to submedian fold and incurved to inner margin; a subterminal line of indistinct diffused dark spots, large and distinct below vein 2; claviform black; orbicular and reniform pale olive green suffused with brown and slightly defined by black; a dark medial shade through reniform to postmedial line; space between claviform and antemedial and between orbicular and antemedial fuscous; an indistinct green shade above vein 8; terminal line dark brown, whitish points at end of veins; cilia dark brown with lighter line at base. Hindwings white thickly irrorated with brown on costal area, apex, veins and termen. Underside white, suffused with ochreous on costal and brown on terminal areas.

♀ similar, but hindwings darker and the underside more heavily suffused with brown.

Expanse 29 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Macapta lydia*, n. sp.

♂. Palpi, legs and antennae brown; pectus ochreous; head red brown; tegulae red brown mixed with yellow posteriorly; thorax red brown mixed with yellow, a white dorsal spot at base; abdomen light brown with indistinct darker transverse bands; anal tuft purplish. Forewings dull yellow thickly irrorated with red and purplish brown; a dark subbasal line; antemedial line diffused purplish brown, wavy, angled outwards on subcostal, inwards in cell, outwards on median nervure, inwards on vein 1, then strongly excurved to inner margin, a yellow space follows the line across median fold; postmedial broad, geminate, filled in with yellow irrorated with red, excurved at vein 5, then incurved to inner margin, the inner member diffused purplish brown, outer member

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strongly dentate, black, followed by some grey scales, the points of the teeth forming subterminal line of black points on veins; orbicular minute, white defined by dark brown; reniform almost invisible; a pure white discocellular streak; widening out at lower end: a white spot on median nervure below orbicular and touching antemedial line; terminal line dark brown, cilia reddish. Hindwings ochreous suffused with purplish brown; a diffused, broad, dark brown postmedial line; a lunular discocellular spot; the inner and outer margins broadly suffused with dark brown. Underside ochreous suffused with purplish brown; a broad diffused brown postmedial line; fine lunular subterminal and fine terminal lines; a dark discocellular spot.

Expanse 27 mm.

*Hab.* CASTRO, Paraná, Brazil.

Sub-fam. ERASTRIANAE.

*Cydosia hyva*, n. sp.

♀. Black, suffused with dark glossy green; palpi with white spot on second joint; some white on frons and a white spot on vertex; fore coxae and legs spotted with white; large white spot on tegulae; five white spots on thorax; patagia shot with purple, a coppery spot in centre, a few white scales in fringe; abdomen with three broad white bands beneath, anal tuft orange. Forewings: three small white spots at base; subbasal line represented by coppery spot on costal area; three white spots between subbasal and antemedial; antemedial line wavy, coppery suffused with purple; excurved on subcostal, incurved in cell, excurved below cell, angled inwards on submedian fold; a narrow diffused white streak on medial part of costa; a broad white streak on submedian fold; orbicular and reniform white, the latter distally excavated and followed by minute white spot beyond cell; postmedial line represented by coppery spot between veins 2 and 3 and followed by white band from vein 3 to 8 and a minute white spot on submedian fold; a broad coppery subterminal band, suffused with purple, very oblique at costa, then parallel with termen to near tornus, where it is slightly bent outwards; the band is followed by a series of white spots; cilia white, interrupted by black at tornus, below vein 2 and at veins 5 and 6. Hindwings: cilia black except at apex and above veins 2 and 3, where they are white. Underside black suffused with green; a white discocellular spot on forewings and a minute apical spot on hindwings.

Expanse 32 mm.

*Hab.* CASTRO, Paraná, Brazil.

Sub-fam. DELTOIDINAE.

*Stellidia juno*, n. sp.

♂. Palpi ochreous and fuscous; vertex of head ochreous; antennae shaft ochreous sprinkled with fuscous, the pectinations fuscous; body fuscous. Forewings fuscous; antemedial line wavy, pale yellowish brown; postmedial pale yellowish brown, fine, dentate, excurved from costa to vein 2, incurved on submedian fold, followed by series of rather large indistinct lunular spots; a light brown discocellular spot containing two fuscous spots; a curved brown spot on costa immediately above; four brown points on costa before apex; a terminal row of minute brown spots at ends of veins; cilia fuscous. Hindwings fuscous; a fine, wavy, dentate postmedial line, followed by diffused spots as in forewings; a discocellular spot containing two fuscous spots; terminal row of minute spots at ends of veins; cilia fuscous.

Expanse 32 mm.

*Hab.* CORCOVADO, Rio de Janeiro.

*Stellidia estella*, n. sp.

♂. Palpi dark fuscous brown, 3rd joint tipped with white; legs and frons dark brown; vertex brown with white band between antennae and two white spots behind; antennae ochreous speckled with brown, fuscous at base; tegulae brown edged with ochreous white; thorax brown irrorated with grey, a white dorsal spot on pro- and metathorax; abdomen light brown. Forewings dark brown; a white spot at base of costa; two white spots below median nervure; antemedial line of white spots; a white spot at base of cell and one in middle of cell; a cluster of four spots below origin of vein 2; two spots below origin of vein 3; two spots in end of cell, a spot on costa immediately above; white spots on discocellulars and a cluster of three spots beyond; a postmedial line of white spots; a subterminal line of white spots between the veins, incurved above vein 5; cilia fuscous, with white spot at ends of veins and submedian fold. Hindwings not so thickly scaled; indistinct postmedial and subterminal lines of white spots; cilia as in forewings. Underside ochreous irrorated with brown; postmedial pale line strongly angled inwards on vein 5 and outwards on vein 2; an indistinct pale terminal line.

Expanse 25 mm.

*Hab.* SÃO PAULO, S.E. Brazil.

Near *S. nivosita*, Schaus.

## Fam. NOTODONTIDAE.

*Phedusia riachuela*, n. sp.

♀. Palpi and legs dark brown; frons dark brown with posterior white band; tuft on head, tegulae and thorax dark brown mixed with ochreous; antennae light brown; abdomen brown. Forewings brown; subbasal line dark brown, geminate from costa to median nervure, enclosing ochreous, forming dark shade in base of cell and below median nervure, followed by white point on costa; antemedial line dark brown followed by white point on subcostal, geminate from cell to inner margin, enclosing ochreous, with distinct spots on median nervure and vein 1; an indistinct, dark, diffused postmedial line; medial area from subcostal to vein 2 very dark, containing two creamy white spots below subcostal, a small one in cell distally excavated and forming streak below subcostal almost to a second and larger spot beyond cell from subcostal to cellular fold, with streak running to vein 8; a subterminal very wavy line of dark lunules; terminal line fine, dark, interrupted at veins; ochreous points on costa before apex; cilia brown. Hindwings brown; cilia lighter. Underside brown; forewings, an indistinct subterminal row of dark spots; ochreous points on costa before apex; cilia interrupted with ochreous at ends of veins in both wings.

Expanse 28 mm.

*Hab.* CURITYBA, Paraná, Brazil.

*Poresta folia*, n. sp.

♂. Palpi reddish brown; legs brown; frons ochreous; tufts on head pale stone green; tegulae brown mixed with ochreous and tinged with green; thorax brown mixed with ochreous; patagia pale stone green with posterior brown streak; abdomen brown; anal tuft greenish, underneath ochreous. Forewings ochreous suffused with green and irrorated with black and brown; base black with a few greenish hairs; antemedial line indistinct, broken into spots below median nervure, angled outwards in cell, thence straight and very oblique to inner margin, followed by dark shade from inner margin to cell, in which it forms a fuscous patch; a postmedial very dark shade from below vein 2 to near apex, very broad from vein 2 to 5 where it is violently reduced in width to apex, limited by very wavy line excurved on the veins; a subterminal line of short black lunules, preceded by light green shade; terminal

line fine, dark, widening at ends of veins; three ochreous points on costa near apex; cilia brown tinged with green. Hindwings ochreous suffused with brown. Underside ochreous suffused with reddish brown: forewings, terminal area greyish, broadly at apex and narrowly at tornus.

Expanse 35 mm.

*Hab.* CORCOVADO, Rio de Janeiro.

*Farigia curita*, n. sp.

♂. Palpi ochreous grey, 2nd joint black above; legs ochreous grey; antennae shaft grey, pectinations brown; frons grey irrorated with brown; thorax thickly clothed with ochreous grey and dark brown hairs, ochreous beneath; abdomen ochreous grey; the dorsal tufts brown, ochreous beneath. Forewings creamy white thickly irrorated with black and pale stone green; very indistinct basal and antemedial lines; a more definite geminate lunular postmedial line, the lunules below veins 1 and 2 broadly black followed by dark green shade; a black streak on submedian fold projecting just beyond the lunule; the space enclosed by streak and postmedial line dark green near base shading into grey at postmedial; a terminal line of oblique lunules. Hindwings ochreous; the inner margin clothed with light brown hairs. Underneath ochreous, the costa of forewing suffused with brown.

Expanse 46 mm.

*Hab.* CURITYBA, Paraná, Brazil.

*Symmerista corcova*, n. sp.

♀. Palpi fawn-colour, whitish in front; head, tegulae, patagia and thorax fawn-colour mottled with ochreous; abdomen ochreous thickly mottled with fawn-colour. Forewings ochreous thickly mottled with red brown and suffused with lilacine; an indistinct, wavy, red brown, geminate subbasal line from costa to vein 1, forming dark point below base of cell; a red brown geminate antemedial line, the inner member being very dark, the outer lighter, nearly straight from costa to submedian fold, angled inwards on vein 1 where it encloses a whitish spot, preceded by brown shade suffused with violaceous and followed by brown shade, narrow at costa and broadening out in and below cell to tornus; postmedial line red brown, geminate, strongly dentate, enclosing light shade; some dark streaks between the veins on medial area, forming a V-shaped mark at end of cell; a sub-



terminal row of dark red brown spots surrounded by lighter shade, the spots large and heavy above veins 3, 6, and 7; terminal line fine, red brown, preceded and followed by light shade between the veins; outer half of wings suffused with lilacine gloss; cilia dark brown with light shade at base. Hindwings ochreous suffused with reddish brown, darkest on costal and terminal areas. Underside: forewings ochreous centrally suffused with brown, costa and margins lighter; a well-defined brown terminal line; hindwings lighter.

Expanse 35 mm.

*Hab.* CORCOVADO, Rio de Janeiro.

*Heterocampa nigriplaga*, n. sp.

♂. Palpi ochreous and white, outwardly black; head ochreous and white; antennae brown; tegulae ochreous and white tinged with olivaceous; thorax olivaceous and white; ends of patagia dark brown; abdomen olivaceous and white. Forewings ochreous irrorated with olivaceous brown and black; a black discocellular spot; a dark subbasal line, excurved on subcostal and forming black spot below base of cell; antemedial line dark, geminate, slightly excurved; postmedial dark brown, geminate, sinuous, strongly excurved beyond cell and incurved at veins 2-3, followed by white spot on costa; a dark triangular shade on costa from postmedial to apex, terminating on vein 4; two short black strigae on the dark patch between veins 4 and 6; a subterminal series of diffused olivaceous spots; termen olivaceous interrupted at veins; cilia olivaceous and white interrupted by black and ochreous at veins; a large black patch at base from median nervure to vein 1; the space between veins 3 and 4 thickly irrorated with olivaceous. Hindwings ochreous irrorated with brown on veins and at costal and terminal areas; a diffused light brown, geminate postmedial line; the hairs on inner margin suffused with reddish brown; cilia ochreous suffused with brown.

Expanse 38 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Heterocampa viridiana*, n. sp.

♂. Palpi olivaceous, laterally brown; legs, head and thorax olive green, a black band round middle of fore- and mid-tibiae; abdomen brown. Forewings yellowish olive green; base light brown; a wavy dark basal line; antemedial line wavy, black, geminate, filled in with light brown, the inner member heavier



than the outer, angled outwards on subcostal, inwards below median nervure and on vein 1; a diffused narrow dark shade between basal and antemedial lines; postmedial line very wavy, double on costa and between veins 6 and 7, below vein 6 to inner margin single, dentate, angled outwards on the veins, followed by light brown shade; a narrow dark medial shade; a subterminal double row of black spots separated by grey between the veins, incurved from apex to vein 3, then straight to above tornus; termen olive green; cilia olive green with black spots at ends of veins. Hindwings ochreous, medially suffused with red, costally and terminally suffused with olive green; a broad, suffused brown subterminal band. Underside ochreous: forewings suffused with pale olive green on costa and apex and red on cellular area.

♀. Hindwings wholly suffused with red except the extreme margin. Under-side uniformly suffused with red.

Expanse ♂ 38 mm.; ♀ 47 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Rifargia incurvata*, n. sp.

♂. Palpi dark tawny, the 2nd joint tawny and white in front; head white and brown; antennae brown; tegulae and thorax tawny and white; patagia anteriorly tawny, posteriorly tawny and white with a dark streak; abdomen brown. Forewings white, irrorated with black and light brown; base ochreous thickly irrorated with black; subbasal line black, geminate, nearly straight from costa to inner margin; antemedial line fine, black, geminate, the inner member barely visible except at costa, wavy, excurved in cell, incurved below median nervure, excurved above vein 1 where it angles inwards, then strongly bent outwards and again inwards to inner margin; a faint diffused light brown medial shade; postmedial line black, geminate, the inner member heavy and distinct, the outer more diffused, evenly incurved from vein 7 to tornus, followed by reddish brown shade to subterminal line; a terminal series of fine black strigae at right angles to the ends of the veins from 1 to 4, then lunular to apex. Hindwings ochreous suffused with brown; a dark fascia of hairs above inner margin. Underside; forewings white, suffused with reddish brown below costa and at apex; hindwings suffused at costa and on inner margin.

Expanse 47 mm.

*Hab.* CORCOVADO, Rio de Janeiro.

*Rifargia castrena*, n. sp.

♀. Palpi and frons dark grey; vertex and back of head black; tegulae pale red brown with transverse black stripe; thorax black with anterior light ochreous dorsal spot, and two posterior spots; patagia black; abdomen brown, the first segment dorsally black. Forewings ochreous, heavily suffused with reddish brown and fuscous; a strongly excurved, dark, geminate antemedial line, the outer member much stronger than the inner, excurved below costa, strongly angled inwards on subcostal, excurved in cell, strongly angled inwards on median nervure at origin of vein 2, excurved below median and running horizontally to vein 1 near base where it is inwardly and again outwardly angled before reaching inner margin; basal area to antemedial line suffused with reddish brown; postmedial black, geminate, indistinct from costa to vein 4, well defined below vein 4, enclosing light shade, incurved between the veins; a subterminal row of reddish brown lunular spots; terminal line black, well defined between veins 2-4, the rest somewhat diffused; cilia reddish brown at base, fuscous at tips; a red brown space at end of cell, extending to postmedial from vein 4 to 6; crossed by strong black discocellular streak joining double dark medial shade on costa to very dark medial shade between veins 2 and 4; two black lunular spots preceding subterminal lunules between veins 2 and 4; outer half of wing heavily suffused with fuscous except below apex and at tornus; veins on terminal area irrorated with black. Hindwings ochreous suffused with brown. Underside: forewings fuscous brown with suffusion of ochreous near apex; hindwings ochreous suffused and irrorated with fuscous brown.

Expanse 40 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Eunotela bipunctata*, n. sp.

♂. Palpi brown, whitish in front and dark brown behind; frons white; vertex of head dark brown mixed with white; antennae light brown, the shaft white; tegulae dark brown; thorax ochreous sprinkled with black; patagia white, a dark streak in centre; abdomen ochreous white, anal tuft light brown. Forewings ochreous white, the basal area suffused with pale yellowish brown, a slightly darker yellowish brown space beyond postmedial near apex; a white spot at base of subcostal; a dark basal line from costa to below median nervure; antemedial line wavy, geminate, the inner

member diffused light brown, the outer black; a black streak on submedian fold from antemedial towards base; a line of four spots in cell; a triple postmedial line of black spots on the veins; a dark discocellular streak; a fine brown subterminal line throwing off internal spurs on veins 2 and 3, below vein 2 the line is preceded and followed by small diffused black spot, on vein 5 preceded by large black spot and followed by geminate spots above and below vein, a large black spot before line at apex; cilia ochreous white with black spots between the veins. Hindwings ochreous, the veins, costa and termen brown; cilia ochreous white.

Expanse 34 mm.

*Hab.* CORCOVADO, Rio de Janeiro.

*Dylomia suavis*, n. sp.

♀. Palpi, legs, head and antennae light yellowish brown; tegulae light yellowish brown with fawn-coloured fringe; thorax darker brown; abdomen reddish brown. Forewings light yellowish brown; extreme costa fawn-colour; antemedial line narrow, oblique, slightly excurved, ending in a tuft of long scales on inner margin, inwardly brown shading to light fawn-colour outwardly; postmedial heavier than antemedial, nearly straight from near apex, approximating to antemedial and ending in a tuft of short scales on inner margin, inwardly pale fawn-colour, outwardly brown; an indistinct subterminal row of diffused lunular dark spots; terminal and apical areas slightly suffused with darker shade; two discocellular dark spots, joined by fine line and surrounded by fawn-coloured scales; cilia reddish brown, very heavy on inner margin. Hindwings slightly iridescent, ochreous, suffused with yellowish. Underside ochreous suffused with yellowish fawn-colour, heavier on costal and terminal areas.

Expanse 31 mm.

*Hab.* SÃO PAULO, S.E. Brazil.

Fam. GEOMETRIDAE.

*Azelina flora*, n. sp.

♂. Body uniform grey; legs speckled with fuscous; hind tibiae with a central band of black; an ochreous dorsal thoracic crest; patagia with some scattered fuscous scales posteriorly. Forewings lilacine grey, slightly irrorated with fuscous; a dark antemedial line from median nervure to inner margin; a dark, oblique curved fascia from one third on costa to cell, shading to buff at discocellulars; a

round black discocellular spot suffused with lilacine; postmedial line very wavy, reddish brown, excurved between the veins, preceded by buff beyond the cell; on medial area the veins are buff speckled with brown and there is a buff patch between vein 1 and inner margin crossed by dark strigulae; an indistinct buff subterminal fascia from vein 3 to 6; a subterminal series of minute white points above veins 3 to 6; cilia buff suffused with brown. Hindwings pale ochreous grey, irrorated with fuscous, especially between vein 1 and inner margin; an indistinct, geminate postmedial line with some buff scales at inner margin; a diffused, dark discocellular spot; terminal area suffused with fuscous; cilia grey. Underside greyish white irrorated with fuscous; forewings with a brown postmedial line, well defined from costa to vein 4; medial area from vein 2 to 4 suffused with fuscous; a diffused black discocellular spot; hindwings with interrupted postmedial line and black discocellular spot.

Expanse 38 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Herbita pacondiaria*, n. sp.

♂. This species is very close to *H. capnodiata*, Gn., but differs from that species in the absence of black surrounding the grey discocellular spot on the forewings and in the costal apical spots on the underside being white instead of black. The differences being so slight led to examination of the male ancillary appendages, which at once separated the species, the juxta in *capnodiata* being V-shaped, while in the present species the arms are vertical and parallel, with pointed spatulate ends.

Expanse 48 mm.

*Hab.* CASTRO, Paraná, Brazil.

Fam. COSSIDAE.

*Langsdorfia tessellata*, n. sp.

♂. Palpi reddish brown; legs ochreous, barred with reddish brown; tegulae light brown; thorax ochreous; patagia ochreous with transverse brown bars; abdomen brownish ochreous, dorsally brown. Forewings light brown, pale, covered with dark purplish brown spots surrounded by ochreous white, the spots on costal area and in cell small and very dark, a group of large spots beyond cell between veins 4 and 6, two of them confluent above vein 5; termen brown; cilia light brown. Hindwings ochreous, traces of indistinct

spots between the veins. Underside ochreous: forewings indistinctly as on upperside; hindwings the spots well defined on costa above vein 8 and more distinct than on upperside on rest of wing.

Expanse 35 mm.

*Hab.* CASTRO, Paraná, Brazil.

## Fam. LASIOCAMPIDAE.

### *Echedorus medialis*, n. sp.

♀. Palpi brown; legs, head and antennae reddish brown; tegulae and patagia ferruginous; abdomen brown, dorsally ferruginous: the terminal tuft of down black with longitudinal white stripes. Forewings light brown; a darker antemedial line angled outwards on the veins, followed by light shade; an indistinct dark subterminal line; termen crenulate, pale; cilia dark brown, interrupted at veins; medial area suffused with dark brown, centrally thinly scaled, black, a central light space on costal area; apex black above vein 8. Hindwings dark brown; a diffused fuscous medial shade, followed by grey; termen grey; cilia brown.

Expanse 63 mm.

*Hab.* CASTRO, Paraná, Brazil.

### *Titya suffusa*, n. sp.

♀. Palpi and legs dark brown; head, thorax and abdomen dark grey, suffused with brown. Forewings dark grey; basal third lightly and terminal third heavily suffused with brown; a broad somewhat diffused dark brown postmedial band angled outwards below costa; indistinct, wavy, dark subterminal shade and dark discocellular spot; cilia dark brown. Hindwings brown; base grey; cilia dark brown.

Expanse 58 mm.

*Hab.* CASTRO, Paraná, Brazil.

### *Titya serralta*, n. sp.

♀. Brownish grey. Antennae dark brown; legs fuscous; anal segment of abdomen golden brown. Forewings brownish grey; a rather broad light grey antemedial line; a dark discocellular spot; postmedial line light grey, narrow, wavy, broader at costa, excurved at vein 8, incurved on cellular fold, excurved below vein 4, incurved above vein 2; a diffused light grey, wavy subterminal line;

termen dark grey; cilia dark brown. Hindwings dark brownish grey: an indistinct pale medial band; a pale subterminal band; termen and cilia dark brown.

Expanse 64 mm.

*Hab.* ALTO DA SERRA, Santos, Brazil.

Near *T. undulosa*, Walker, but differs from it in the colour of legs, antennae and the anal segment of the abdomen, the position and form of the postmedial line, and in the absence of the dark shades following the antemedial and preceding the postmedial lines.

*Titya castralia*, n. sp.

♂. Body very dark purplish brown; a few whitish hairs mixed with the dark brown on frons and patagia; antennae tawny. Forewings thinly scaled, black, suffused with tawny shade darker at costa; a trace of a pale antemedial line at costa and in cell; postmedial line wavy, whitish, straight from costa to vein 6, where it curves inwards to vein 4, outwards below 4 and inwards on vein 2; a diffused black discocellular spot; a very slight indication of a subterminal light shade; termen dark interrupted at the ends of the veins by whitish points; cilia dark. Hindwings: a slight indication of lighter postmedial band; a dark diffused discocellular spot. Underside paler than upper; costal area and cell of forewings very dark; hindwings darker on basal half; a diffused dark discocellular spot; a pale postmedial band.

♀. Body and wings pale greyish brown; legs and palpi much darker; antennae tawny; head, tegulae and base of abdomen slightly darker; anal segment very dark purplish brown, almost black. Forewings, basal and medial areas light grey; a slightly excurved, diffused dark antemedial line; a large black discocellular spot; postmedial line wavy, diffused, dark, the curves as in male, followed by about the same width of grey and a rather obscure dark shade, more distinct towards apex; terminal area greyish brown; cilia dark brown. Hindwings with indication of darker ante- and postmedial bands.

Expanse ♂ 39 mm., ♀ 62 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Sphinta schausiana*, n. sp.

♂. Palpi and pectus dark brown; legs ochreous grey; frons ochreous; vertex grey; antennae ochreous; tegulae grey, suffused with brown posteriorly; patagia grey suffused with brown; a black



dorsal stripe from back of head to base of abdomen ; abdomen dark brown, base black, anal tuft grey ; beneath ochreous. Forewings white, the veins brown ; costal area and cell dark brown thickly clothed with greenish grey hairs and scales ; a diffused dark brown streak below median nervure from vein 1 to vein 4, and below this three elongate dark brown lunules below veins 2, 3, and 4 ; a diffused dark streak between veins 5 and 6 and three dark sub-terminal spots below apex ; termen ochreous white ; cilia dark brown. Hindwings white suffused with pale brown on costa and inner margin ; a diffused brown spot at tornus ; cilia white.

Expanse 43 mm.

*Hab.* CURITYBA, Paraná, Brazil.

### Fam. PEROPHORIDAE.

#### *Perophora albescens*, n. sp.

♂. Head, palpi and antennae ochreous ; legs ochreous irrorated with black ; a white tuft at base of antennae ; tegulae white with some ochreous and a few scattered black scales, thorax white suffused with ochreous and irrorated with black ; abdomen dorsally white suffused with ochreous and irrorated with black ; dark dorsal tufts on segments 4, 5 and 6 ; ventrally ochreous and white. Forewings white, sparsely irrorated with black ; costa ochreous ; a diffused ochreous, wavy antemedial line, more distinct from vein 2 to inner margin ; an irregular diffused postmedial line, ochreous from inner margin to just below vein 3, then reddish brown to costa, a projection at veins 7 and 8 ; preceded by ochreous suffusion which fills the medial area below vein 2, with the exception of triangular space between origin of vein 2 and antemedial line ; terminal area suffused with ochreo-fuscous with the exception of narrow line following post-medial ; a darker lunular patch beyond postmedial from veins 3 to 5 ; a fuscous patch on costa close to apex ; discocellular ochreous ; cilia ochreous white. Hindwings white, outwardly suffused with ochreous and irrorated with black ; a very indistinct diffused ochreous antemedial line, heavily suffused with reddish brown at inner margin and at veins 3 and 4. Underside ochreous white irrorated with black : postmedial line on both wings distinct ; terminal area paler.

Expanse 30 mm.

*Hab.* SÃO PAULO, S.E. Brazil.

*Perophora fenestrata*, n. sp.

♂. Palpi brown; legs light ochreous brown sprinkled with black, fore tibiae pinkish; frons and tegulae creamy pink; antennae ochreous; thorax and abdomen pale brown sprinkled with black scales and slightly tinged with pinkish. Forewings light brown, slightly irrorated with black and suffused with a pink shade; costa tawny; a diffused, indistinct, double, dark medial shade from costa through end of cell to inner margin; trace of postmedial dark shade, forming diffused spot above vein 8; a dark discocellular bar, followed by minute hyaline spots above and below vein 5; a small pink subterminal suffusion between veins 6 and 8; cilia dark brown. Hindwings similar to the forewings, but the medial dark shade is beyond the cell and becomes a single line from vein 2 to inner margin; dark discocellular bar and hyaline spots larger than on the forewing. Underside: forewings light brown suffused with pink and irrorated with black; veins, cell and subapical patch heavily suffused with red; a narrow, dark brown, diffused postmedial shade; dark discocellular bar; hindwings with the red suffusion on the veins only; dark postmedial shade and dark discocellular bar.

Expanse 46 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Perophora jaruga*, n. sp.

♂. Palpi red-brown shaded with fuscous; frons and antennae yellowish brown; tegulae centrally paler; anal tuft fuscous at tip. Forewings: a very indistinct fuscous antemedial line well defined, black, oblique from costa to vein 7, thence nearly straight to middle of inner margin, followed by narrow light shade and broad, black suffusion forming large triangular space at tornus from inner margin to vein 4 crossed by pale band from inner margin to vein 3, straight from vein 4 to near termen on vein 8, above vein 8 reaching apex; a pale discocellular bar, slightly defined by fuscous; termen pale; cilia dark. Hindwings: a black medial band and obscure subterminal shade. Both wings and abdomen are sparsely sprinkled with white scales tipped with black.

Expanse 60 mm.

*Hab.* GUARUJÁ, Santos, S.E. Brazil.

## Fam. MEGALOPYGIDAE.

*Megalopyge nivosa*, n. sp.

♂. Frons, pectus and inner side of fore and middle femora and tibiae dark brown; outer side white; hindlegs brown; all tarsi

brown; antennae ochreous, shaft white; vertex of head white; tegulae dark brown; thorax brown; a large white spot on front of patagia, some white subdorsal hairs on metathorax; abdomen brown, underside ochreous and brown. Forewings white; base of costa, veins and medial area below median nervure brown; terminal area suffused with brown; a group of dark brown spots at base; two dark brown streaks in cell; a brown fascia on median nervure, broadening at end of cell from vein 3 to 5; a triangular dark brown spot on discocellulars; a small brown mark at origin of vein 8; a diffused brown terminal line; cilia brown. Hindwings ochreous; veins and hairs on inner area brown. Underside ochreous white, suffused with brown on costal area; veins brown.

Expanse 36 mm.

*Hab.* CASTRO, Paraná, Brazil.

Near *M. albicollis*, Walker.

*Megalopyge lanocrispa*, n. sp.

♂. Frons and pectus dark brown; tarsi fuscous brown banded with ochreous; vertex of head ochreous; back of head light brown; antennae dark ochreous; tegulae ochreous in front, brown behind; thorax ochreous and light brown; abdomen light brown. Forewings ochreous white; costa and inner margin ochreous; veins light brown; a diffused dark discocellular spot; a postmedial brown band followed by lighter shade, excurved from vein 9 to vein 2, where it is slightly bent outwards and straight to vein 1b; five wavy black fasciae from base, one on subcostal nervure, two in cell, the lower one reaching to above origin of vein 2, one slightly shorter just below median nervure and one above 1b; a short dark streak at each side of veins on terminal area; a brown terminal line, broken at the veins; cilia similar. Hindwings ochreous; veins and inner area suffused with yellowish brown. Underside ochreous; forewings, costa and veins suffused with brown; hindwings, basal half and veins suffused with brown.

Expanse 40 mm.

*Hab.* CASTRO, Paraná, Brazil.

Allied to *M. feldia*, Schaus.

*Edibessa ferugina*, n. sp.

♂. Head and body bright orange tawny; frons and antennae dark fuscous; a pinkish white dorsal spot on prothorax; patagia inwardly fringed with pinkish white; two pinkish white spots merging into patagia. Forewings fuscous; base pinkish white followed by suffused band of orange rapidly fading into fuscous; costal area orange at

base, shading to yellowish grey at apex ; an orange fascia through lower half of cell, extending to apex, diffused beyond cell ; a dark space on terminal area below apex ; termen narrowly dark cream-colour from near tornus to vein 5 ; inner margin suffused with orange ; cilia cream-colour suffused with fuscous. Hindwings fuscous ; base rose pink ; inner half of wing, costa and inner margin orange ; cilia cream-colour suffused with fuscous. Underside : forewings the same as upper, excepting that the fascia in the cell does not extend beyond it ; the base of both wings rose pink.

♀. The colours are paler and there is no fuscous on frons.

Expanse, ♂ 37 mm, ♀ 50 mm.

*Hab.* CORCOVADO, Rio de Janeiro.

*Edibessa placida*, n. sp.

♂. Head, pectus and thorax dull orange ; frons heavily suffused with fuscous ; legs fuscous, the tarsi white at extremities of joints ; antennae dark fuscous ; tegulae and patagia fringed with pinkish white ; two large black subdorsal spots on metathorax ; abdomen dark fuscous. Forewings light fuscous ; base pinkish white followed by suffused fuscous shade, more defined at base of cell ; costa dark fuscous at base fading to pale fuscous at apex ; subcostal area creamy white ; termen narrowly creamy white from tornus to vein 5 ; cilia creamy white, suffused with fuscous below apex. Hindwings pale fuscous ; costal area creamy. Underside the same as upper, except that the costa of forewing is creamy.

Expanse 30 mm.

*Hab.* CORCOVADO, Rio de Janeiro.

*Edibessa rufa*, n. sp.

♂. Body bright brick red ; frons brick red ; vertex of head red brown ; antennae brown, shaft dark ; tegulae red brown tinged with brick red anteriorly ; thorax red brown ; abdomen bright brick red, anal tuft brown. Forewings red brown thinly scaled ; a postmedial diffused fuscous band, broad beyond cell, more defined and broken into three spots near inner margin ; cilia fuscous. Hindwings bright brick red. Underside uniform brick red.

Expanse 28 mm.

*Hab.* SÃO PAULO, S.E. Brazil.

*Edibessa rubrivena*, n. sp.

♀. Head, pectus and legs bright red ; tarsi fuscous ; antennae fuscous ; thorax light brown with two anterior tufts of red ; patagia light brown, outwardly red ; abdomen bright red ; anal segment

light greyish brown. Forewings light brown, thinly scaled; costa and veins, with the exception of subcostal nervure and submedian veins, red; cilia red; a postmedial row of fuscous spots angled outwards beyond cell between veins 4 and 5, thence incurved to middle of inner margin. Hindwings rose pink; cilia red. Under-side uniform red.

Expanse 30 mm.

*Hab.* CASTRO, Paraná, Brazil.

Possibly this may be the female of the preceding species.

*Norape undulata*, n. sp.

♂. Pure white; frons, pectus and upper side of forelegs fuscous; antennae shaft white, pectinations buff; abdomen indistinctly banded with buff. Forewings: basal third of costa fuscous; a geminate fuscous spot in end of cell; a subterminal row of fuscous spots above veins 2-5; an antemedial bar of raised scales from cell to inner margin; a similar medial bar and postmedial band, the latter reaching indistinctly to costa. Hindwings pure white.

♀. Antennae white with the pectinations slightly ochreous; abdomen more distinctly banded than in male. Forewings: costa entirely white; the fuscous spots as in male but much fainter.

Expanse ♂ 27 mm., ♀ 33 mm.

*Hab.* CASTRO, Paraná, Brazil.

Fam. LIMACODIDAE.

*Asbolia chica*, n. sp.

♂. Pale yellowish brown; palpi, fore tibiae, antennae and patagia tawny. Forewings tawny, slightly suffused with grey on costa; a whitish line from base below median nervure to apex, where it is joined by a similar subterminal line; a dark shade above the white from base to origin of vein 2; just before vein 2 the white line throws off a spur towards tornus; beyond the spur the space between the white lines is fuscous, from base to spur tawny; on costal area at apex a patch of reddish tawny, diffused on inner side; cilia tawny. Hindwings ochreous; a fine tawny terminal line; cilia ochreous yellow.

Expanse 31 mm.

*Hab.* CASTRO, Paraná, Brazil.

This species is very close to *A. cicur*, Schaus; but differs from it in the more definite fuscous shade between the white lines and in the form of the scales on costal area, which are broad and lustrous in *A. cicur* and dull and hair-like in this species.



## Fam. PYRALIDAE.

## Sub-fam. CHRYSAUGINAE.

*Chrysauge aurantia*, n. sp.

Palpi black ; frons brown in front and black behind ; legs and antennae dark brown ; tegulae black with anterior line of orange ; thorax and abdomen black ; wings black. Forewings with broad orange band from costa near base, following above vein 1 to tornus, where it is violently curved backwards to meet costa at two-thirds from base. Hindwings with broad orange space from base, including lower half of cell. Underside the same as upper.

Expanse 35 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Acrodegmia gigantalis*, n. sp.

♀. Palpi, legs and abdomen dark brown ; head, thorax and antennae a lighter shade. Forewings light yellowish brown ; antemedial line geminate, diffused, ferruginous, enclosing lighter shade, oblique across cell, angled outwards on median nervure, slightly incurved to vein 1, scarcely visible on costa and inner margin, preceded by broadly diffused ferruginous ; postmedial line similar to antemedial, outwardly oblique from costa to vein 8, strongly excurved to vein 2, then incurved to inner margin, followed by ferruginous shade fading to yellowish brown at termen ; a rufous fascia on inner margin from near base to a little beyond postmedial ; cilia rufous. Hindwings brown with diffused darker medial shade. Underside brown ; a fuscous patch at costa beyond cell of forewings ; a diffused, geminate postmedial line, the inner member broad and the outer narrow.

Expanse 76 mm.

*Hab.* SÃO PAVLO, S.E. Brazil.

The type is somewhat faded, being originally inclined to olivaceous on the forewings.

*Eurypta flammalis*, n. sp.

♂. Palpi, legs and antennae dark brown ; head, thorax and abdomen black. Forewings bright orange, the base, costa, apex and termen black ; a narrow black fascia from below middle of cell to tornus. Hindwings black.

Expanse 18 mm.

*Hab.* CASTRO, Paraná, Brazil.



*Tosale lugubris*, n. sp.

♀. Head, thorax and abdomen brown. Forewings greyish brown suffused and irrorated with dark brown; base greyish brown; antemedial line dark brown, geminate, strongly excurved, filled in with greyish brown; the outer half of inner area thickly irrorated with dark brown; postmedial diffused, dark brown, followed by ochreous, strongly excurved from costa to vein 2, where it bends violently outwards to tornus, forming acute angle on vein 2, the ochreous line broken into dots on veins 2-6; outer half of medial and inner half of terminal areas olivaceous with slight metallic sheen; an indistinct subterminal row of dark points; cilia dark brown. Hindwings brown; an indistinct ochreous postmedial line, more defined from vein 2 to tornus. Underside brown; an indistinct, diffused, geminate postmedial line filled in with ochreous.

Expanse 23 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Acamora pyrochroma*, n. sp.

♀. Head, palpi, legs and thorax purplish brown; abdomen brown. Forewings rich chestnut brown, veins and lines dark purple brown; base purplish brown; antemedial line dark purplish brown followed by pure white line broadening out to white spot on costa; postmedial line incurved from costa to vein 7, then strongly excurved to vein 4 from which it runs straight to inner margin; a triangular white spot on costa beyond postmedial; an indistinct, broken subterminal line, more distinct from veins 4-7; a dark terminal line; a dark medial shade suffused with purplish white in and below cell to near inner margin; cilia dark purplish brown, pale at base, a few white scales at apex and below vein 2. Hindwings golden yellow suffused with brown on costal and apical areas; very indistinct postmedial and subterminal lines; terminal line brown, cilia paler than in forewings.

Expanse 22 mm.

*Hab.* CASTRO, Paraná, Brazil.

Sub-fam. EPIPASCHIANAE.

*Stericta basalis*, n. sp.

♀. Proboscis, fore and middle femora and tibiae and head pale reddish brown mixed with ochreous; palpi pale reddish brown, 2nd joint ochreous in front, 3rd joint black; antennae grey; tegulae

pale reddish brown; thorax black with some ochreous scales; patagia ochreous; abdomen ochreous irrorated with black, anal tuft black; underneath, 1st segment white. Forewings ochreous white irrorated with black; basal third pale reddish brown, heavily shaded with black on inner margin and before antemedial line; antemedial line black, geminate, enclosing white band, inner member heavy, outer finer and diffused, angled inwards on vein 1; an indistinct diffused black medial shade, the medial area being lighter within and darker beyond the shade; subterminal line black, dentate, followed by ochreous white, oblique from costa to vein 4, then bent inwards to vein 2 and outwards to inner margin; termen black; cilia ochreous, suffused with brown, a dark brown band near base. Hindwings ochreous; veins, costa, apex and termen suffused with brown; cilia ochreous with brown band.

Expanse 26 mm.

*Hab.* CASTRO, Paran , Brazil.

*Deuterollyta francesca, n. sp.*

♂. Antennal processes black; palpi 1st joint white, 2nd joint white with a few tawny scales at base and black at end, 3rd joint black with minute white tip; pectus white; fore-femora olivaceous with white at base and extremity; tarsi fuscous ringed with white; mid- and hind-femora white with olivaceous patch on outer side; head ochreous white; thorax ochreous with some black dorsal scales; abdomen ochreous anteriorly irrorated with brown, some black scales underneath. Forewings ochreous; costa, base and medial area from costa to a little beyond median nervure pale olive green; a white point at base of costa; a white band from one-third on costa crossing cell and fusing with white streak above median nervure; a patch of raised white scales below cell; beyond this a smaller white patch crossed by black striga; a white fascia from middle of costa to near apex, crossed by olive green band near the end; the olive green and white space surrounded by black irroration, narrow from base to vein 3, where it broadens out to subterminal line as far as vein 7; from above vein 7 to apex black; terminal area from 7 to 4 white, from 4 to tornus ochreous slightly tinged with green; a triangular black point at lower angle of discocellulars; termen black, broken at veins; cilia white. Hindwings iridescent white, some fuscous irroration at apex.

Expanse 23 mm.

*Hab.* CASTRO, Paran , Brazil.

*Macalla sinualis*, n. sp.

♂. Proboscis, palpi, fore-femora and head fawn-colour with some white scales intermixed; fore- and middle-tibiae fawn with black band round middle; antennae dark brown, a few whitish scales on the shaft; antennal processes fawn-colour with some white and a few black scales, the middle portion of brush very dark grey; tegulae fawn with some black scales; thorax ochreous and fawn, two large black subdorsal, posterior spots; patagia fawn, white and very dark grey; abdomen ochreous, two large black subdorsal spots on 1st segment; a dorsal and two lateral black spots on 2nd segment, the remainder heavily suffused and irrorated with black and a few fawn scales, underneath ochreous. Forewings creamy white, suffused and irrorated with fawn and black; base black, followed by fawn irrorated with black; a black triangular patch before antemedial line below median nervure; antemedial line black, sinuous, angled outwards on subcostal, inwards below median nervure, followed by white below median nervure; postmedial black, incurved below costa, excurved on veins 4-5, incurved on vein 2 followed by white below costa; medial-area centrally suffused with bright fawn-colour, a few black irrorations on costa, beyond and below cell, and an inner margin; a round black discocellular spot; terminal area suffused with fawn and irrorated with black; a heavy dark shade before apex from costa to below vein 5, a smaller dark shade below veins 2 and 3; a terminal row of dark spots between the veins; cilia ochreous interrupted by dark points at veins. Hindwings opalescent, creamy white; apex broadly black; small fuscous spots at tornus and at end of vein 2.

Expanse 34 mm.

*Hab.* CASTRO, Paraná, Brazil.

*Macalla regalis*, n. sp.

♂. Proboscis, palpi, pectus and femora reddish brown; tibiae dark brown mixed with whitish; tarsi fuscous ringed with ochreous, antennae grey; antennal processes reddish brown, the base of the brush with long fuscous scales, top of brush reddish brown; head, tegulae and abdomen reddish brown mixed with ochreous; thorax anteriorly ochreous, posteriorly fuscous; patagia reddish brown and fuscous; abdomen ventrally ochreous, anal tuft light brown tipped with fuscous. Forewings white; basal third reddish brown heavily suffused and irrorated with black; terminal third suffused with reddish brown, a very dark circular patch below apex: antemedial line black, sinuous, excurved on subcostal, incurved below median

nervure, angled outwards on vein 1, followed by white ; postmedial brown, wavy, wide at costa, excurved at veins 5-3 ; a patch of raised white scales on discocellulars, with a few black scales on median nervure ; medial area centrally lightly suffused with light brown, costa and subcostal irrorated with dark brown, the other veins with light brown ; a terminal line of brown spots between the veins ; cilia ochreous with central dark line, red-brown at tornus and dark brown at apex, outwardly brown opposite the veins. Hindwings white, the margins dark fuscous, broad at apex, narrow at tornus and inner margin ; cilia fuscous with dark central line. Underside : forewings, base black ; medial area white ; terminal area black ; a black discocellular streak ; hindwings, base of costal area black, medial costal area ochreous irrorated with fuscous ; terminal area black, wide at apex, narrow at tornus ; a short black streak on upper portion of discocellulars.

Expanse 35 mm.

*Hab.* CASTRO, Paraná, Brazil.